LISTING OF THE CLAIMS

Claim 1 **(canceled)**

Claim 2 **(currently amended)** A method ~~according to claim 1~~ for the production of a single heavy chain antibody in a non-human mammal comprising expressing a heterologous VHH heavy chain locus in that mammal specifically in B cells in response to antigen challenge wherein the VHH heavy chain locus comprises:

(a) at least one ~~VHH region each comprising one~~ VHH exon, at least one ~~D region each comprising one~~ D exon and at least one ~~J region each comprising one~~ J exon, wherein the VHH exon~~region~~, the D exon~~region~~ and the J exon~~region~~ are capable of recombining to form VDJ coding sequence,

(b) a constant heavy chain region comprising at least one constant heavy chain gene, wherein each of said at least one constant heavy chain gene, when expressed, does not express a functional CH1 domain,

(c) a regulatory sequence providing for expression of the VHH heavy chain locus specifically in B cells ~~and~~

~~which locus when expressed leads to the formation of a single heavy chain antibody~~

said method comprising:

1) immunizing said mammal with an antigen and

2) isolating single heavy chain antibody against said antigen from said mammal.

Claim 3 **(canceled)**

Claim 4 **(currently amended)** A method ~~according to claim 3~~ for the production of

a single heavy chain antibody in a non-human mammal comprising expressing a camelised VH heavy chain locus in that mammal specifically in B cells in response to antigen challenge wherein the camelised VH heavy chain locus comprises:

(a) at least one ~~VH region each comprising one~~ VH exon which is mutated such that, when expressed, the resulting single heavy chain antibody is stabilised, at least one ~~D region each comprising~~ one D exon and at least one ~~J region comprising one~~ J exon, wherein the VH exon~~region~~, the D exon~~region~~ and the J exon~~region~~ are capable of recombining to form VDJ coding sequence, and

(b) a constant heavy chain region comprising at least one constant heavy chain gene, wherein each of said at least one constant heavy chain gene, when expressed, does not express a functional CH1 domain,

(c) a regulatory sequence providing for expression of the VHH heavy chain locus specifically in B cells

~~and which locus when expressed leads to the formation of a single heavy chain antibody~~

said method comprising:

1) immunizing said mammal with an antigen and

2) isolating single heavy chain antibody against said antigen from said mammal.

Claims 5 – 6 **(canceled)**

Claim 7 **(currently amended)** A method according to claim ~~1 or~~ 2 wherein the VHH single heavy chain locus comprises a camelid VHH, at least one D exon~~region~~ of human origin and at least one J exon~~region~~ of human origin and a constant region of human origin.

Claim 8 **(currently amended)** A method according to claim ~~3 or~~ 4 wherein the camelised VH heavy chain locus comprises at least one D exon~~region~~ of human origin and at least one J exon~~region~~ of human origin and a constant region of human origin.

Claim 9 **(canceled)**

Claim 10 **(currently amended)** A method according to claim ~~1 or 3~~ 2 or 4 wherein the constant heavy chain region comprises at least one constant region heavy chain gene which is of non-camelid origin.

Claim 11 **(original)** A method according to claim 10 wherein at least one constant region heavy chain gene is of human origin.

Claims 12 – 16 **(canceled)**

Claims 17 - 32 **(canceled)**

Claim 33 **(currently amended)** The method of claim ~~1 or~~ 2 wherein the entire VHH single heavy chain locus is of camelid origin

Claim 34 **(currently amended)** The method of claim ~~3 or~~ 4 wherein the camelised VH single heavy chain locus is of human origin.

Claim 35 **(currently amended)** The method of claim ~~3 or~~ 4 wherein the camelised VH single heavy chain locus is of non-human origin.

Claim 36 **(currently amended)** The method of claim ~~3 or~~ 4 wherein the camelised VH single heavy chain locus is of camelid origin.

Claims 37-38 **(canceled)**

Claim 39 **(new)** The method according to claim 2 or 4 wherein the non-human

mammal is a rodent.

Claim 40 **(new)** The method according to claim 2 or 4 wherein the regulatory sequence is a locus control region.